









Investigate your waterway by recording the following information

Date & time 				My name/group/school 		
Waterway 				Location 		
Weather condition 	Sunny	Cloudy	Windy	Raining		
Rainfall estimate (past 48hrs) 	mm			Stream depth 	cm/m (approx)	
				Stream width 	cm/m (approx)	

Common name	Signal	Present
Very sensitive waterbugs		
Toebiters	10	
Stonefly nymphs	10	
Mayfly nymphs	9	
Free-living caddis larvae	8	
Cased caddis larvae	8	
Sensitive waterbugs		
Gordian worms	6	
Marsh beetle larvae	6	
Water pennies	6	
Fishing spiders	5	
Water mites	5	
Black fly larvae	5	
Tolerant waterbugs		
Freshwater prawns	4	
Whirligig beetles	4	
Whirligig beetle larvae	4	
Pogs	4	
Chironomids, blood worms	4	
Water striders	4	
Leafy water scorpions	4	
Five cent crabs, false spider crabs	3	
Freshwater mussels and clams	3	
Glass shrimps	3	
Sideswimmers or scuds	3	
Fly larvae	3	
Damselfly larvae	3	
Dragonfly larvae	3	

Common name	Signal	Present
Very tolerant waterbugs		
Worms	2	
Flatworms	2	
Scavenger beetle larvae	2	
Water tigers	2	
Slender water scorpions, needlebugs, stick bugs	2	
Waterboatmen	2	
Water beetles	2	
Leeches	1	
Freshwater snails	1	
Freshwater crayfish or yabbies	1	
Mosquito larvae, wigglers	1	
Water treaders	1	
Backswimmers	1	

Total of SIGNAL values		
Number of different waterbugs		

How to get an indication of your overall waterway health?

= $\frac{\text{Add the SIGNAL value of the different waterbugs you find}}{\text{Number of different waterbugs}}$

Your score

If your result is:

- > 6 excellent water quality and habitat values
- 5 to 6 very good water quality and habitat values
- 4 to 5 good water quality and habitat values
- < 4 poor water quality and habitat values

